

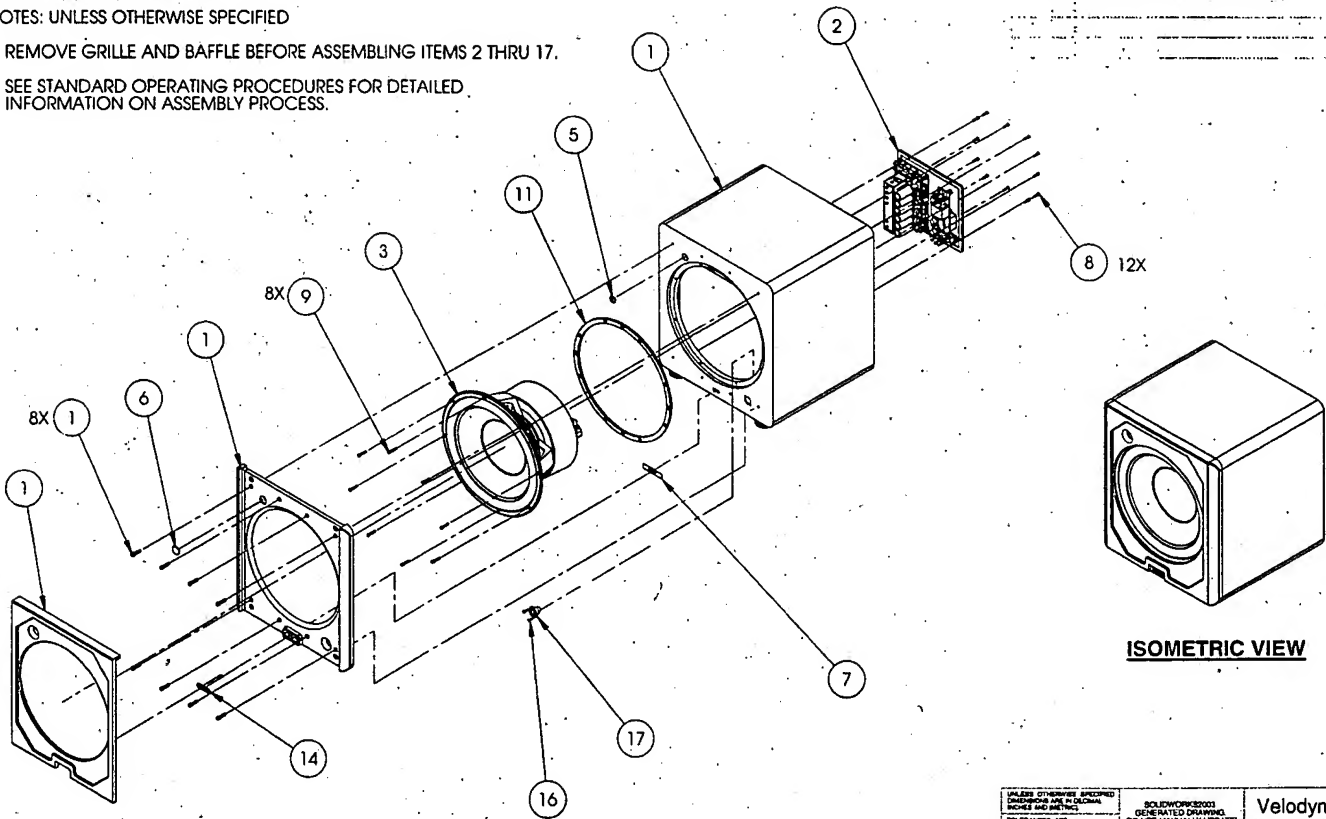
APPENDIX A

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NOTES: UNLESS OTHERWISE SPECIFIED

1. REMOVE GRILLE AND BAFFLE BEFORE ASSEMBLING ITEMS 2 THRU 17.
2. SEE STANDARD OPERATING PROCEDURES FOR DETAILED INFORMATION ON ASSEMBLY PROCESS.

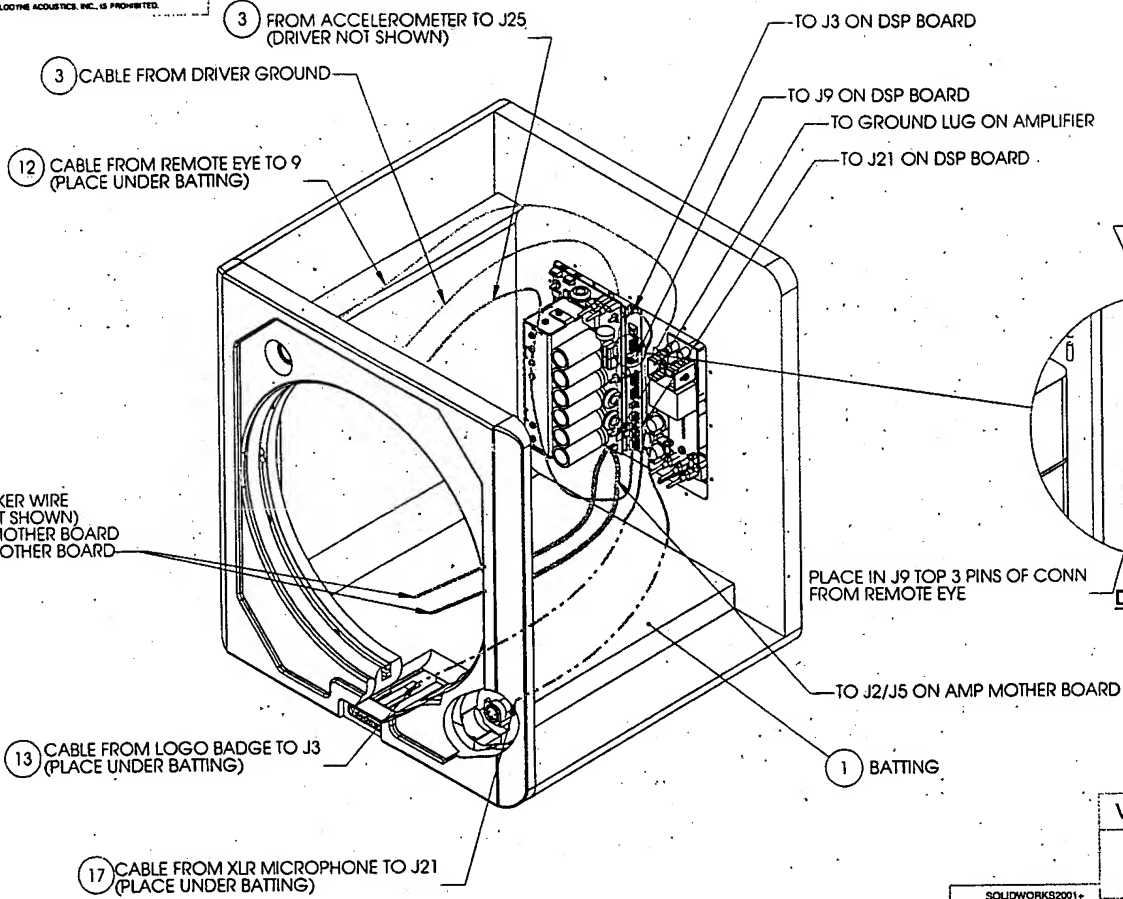
EDN REV DESCRIPTION APPROVAL DATE
 A PRODUCTION RELEASE CMK 06/13/03



ISOMETRIC VIEW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS ANGLES .000 .010 ± 0.5° TOLERANCES ARE SEE NOTES MATERIALS SEE NOTES FINISH SEE NOTES NEXT ASSY DO NOT SCALE DRAWING		SOLIDWORKS2003 GENERATED DRAWING DO NOT MANUALLY UPDATE APPROVALS DATE ES 06/13/03 CMK 06/13/03 CMK 06/13/03		Velodyne Acoustics, Inc. ASSY,DD-15 AMP/DRIVER BLACK,117V 80-DD15BG A	
TOP LEVEL		ES 06/13/03		A	
SEE NOTES		CMK 06/13/03		A	
SEE NOTES		CMK 06/13/03		A	
DO NOT SCALE DRAWING		CMK 06/13/03		A	

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Velodyne Acoustics, Inc.

ASSY,DD-15
AMP/DRIVER
BLACK,117V

80-DD15BG

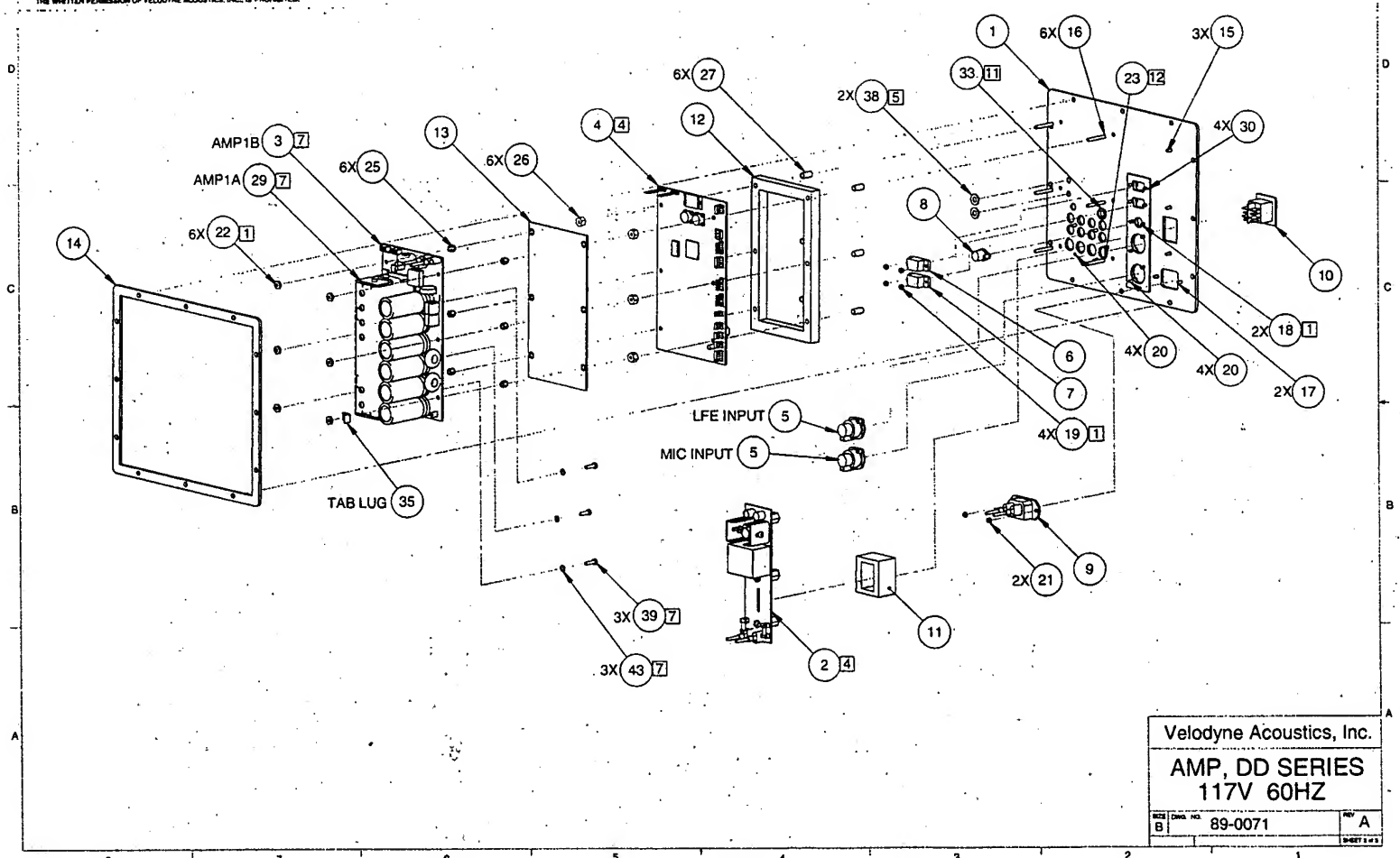
SOLIDWORKS2001
GENERATED DRAWING
DO NOT MANUALLY UPDATE

SIZE (DWG. NO.)
B

SCALE

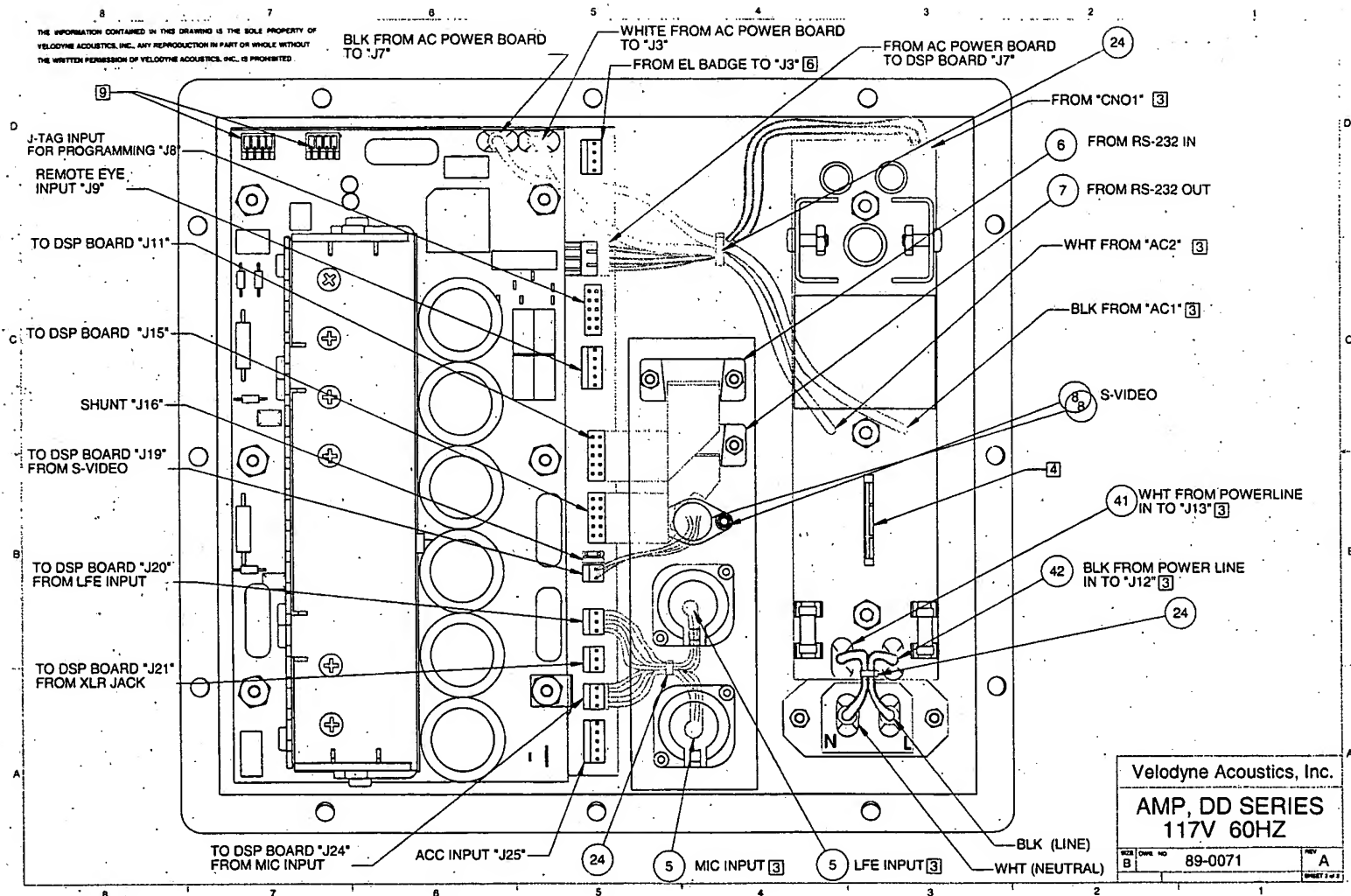
SHEET 2 of 2

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Velodyne Acoustics, Inc.	
AMP, DD SERIES	
117V 60HZ	
REV. B	89-0071
SHEET 1 OF 1	

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NOTES: UNLESS OTHERWISE SPECIFIED

1. THRU-HOLE COMPONENT LEADS MUST SHOW THROUGH SOLDER SIDE OF BOARD.
2. THRU-HOLE COMPONENT LEADS MUST BE TRIMMED TO .063" (1.6mm) OR "IPC-610" REQUIREMENT.
3. THRU-HOLE COMPONENT LEADS MUST EXHIBIT GOOD SOLDER FLOW ON BOTH SIDES OF THE BOARD. NO SOLDER VOIDS, PINHOLES OR COLD SOLDER JOINTS.
4. SOLDER MUST BE SMOOTH, SHINY WITH EVEN WETTING AND EXHIBIT NO COLD SOLDER JOINTS.
5. BOTH SIDES OF BOARD MUST BE CLEAN AND FREE OF ANY FLUX RESIDUE.
6. SEE BILL OF MATERIALS FOR REFERENCE PART NUMBER

7. TERMINALS "J12 & J13" ARE TO BE INSTALLED PERPENDICULAR TO THE BOARD.

8. INSTALL, SOLDER AND CLEAN THE FOUR FASTON TERMINAL CONNECTORS (ITEM 9) AT "SW1" AS SHOWN. NOTE: THE PCB CONNECTORS MUST BE MOUNTED PERPENDICULAR ON THE PCB SOLDER SIDE SURFACE.

9. INSTALL JUMPERS (ITEM 21) AT "JP1, JP2 (-1 = 117V) OR JP3 (-2 = 230V)" PER OPTION TABLE BELOW.

10. BEND OR TWIST PINS ON HEATSINKS (ITEM 18) TO SECURE TO PC BOARD (6 PLACES).

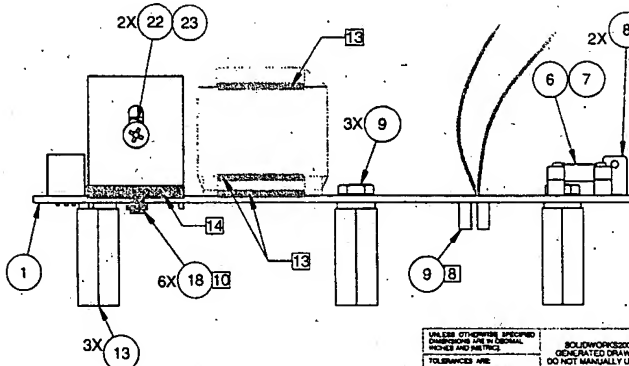
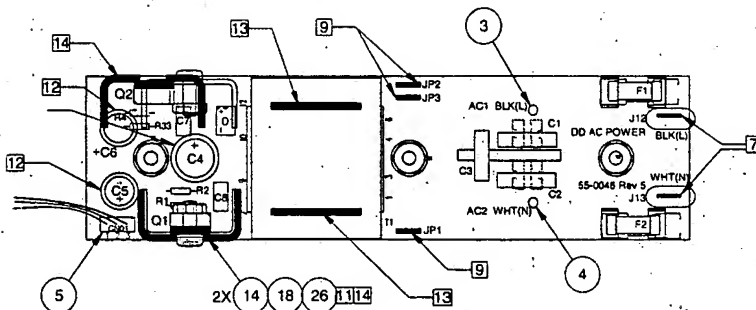
11. APPLY SMALL AMOUNT HEATSINK COMPOUND (ITEM 26) BETWEEN REGULATOR (ITEM 14) AND HEATSINK (ITEM 18).

12. ADD RTV ADHESIVE (ITEM 0012) AT THE BASE OF CAPACITORS "C4, C5 & C6" TO SECURE-IN-PLACE TO PREVENT VIBRATION.

13. APPLY A 1" LONG BEAD OF ECOBOND (ITEM 26) OR APPROVED EQUIVALENT, ON THE EACH END OF THE TRANSFORMER IN THREE PLACES.

14. APPLY A CONTINUOUS BEAD OF ECO BOND (ITEM 26), OR APPROVED EQUIVALENT, AROUND THE BASE OF EACH HEATSINK (ITEM 18).

ECN	REV	DESCRIPTION	APPROVAL	DATE
1109	B	AMEND NOTE 13, ADD NOTE 14	WHK	07/24/03



9. VOLTAGE OPTION TABLE			
-1	DD Series 117V	JP1	---
-2	DD Series 230V	JP3	---
-3	1812 117V	JP1	---
-4	1812 230V	JP3	---

TOLERANCES ARE: DECIMALS ANGLES .000 .010 ±0.5°		SOLIDWORKS 2003 GENERATED DRAWING DO NOT MANUALLY UPDATE	
-1	89-007	JCC	07/23/03
-2	89-007	WHK	07/24/03
-3	89-006	MD	07/24/03
-4	89-006	WHK	07/24/03
NEXT ASSY: DO NOT SCALE DRAWING		Velodyne Acoustics, Inc. ASSY, DSP AC POWER PCB 84-0046-X SCALE: N/A SHEET 1 OF 1	

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NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL COMPONENT LEADS MUST SHOW THROUGH SOLDER SIDE OF BOARD.

2. ALL COMPONENT LEADS MUST BE TRIMMED TO .063" [1.60] MAX.

3. ALL COMPONENTS LEADS MUST SHOW GOOD SOLDER FLOW ON BOTH SIDE OF THE PCB. NO SOLDER VOIDS OR PIN HOLES.

4. SOLDER MUST BE SMOOTH AND SHINY WITH EVEN WETTING. (NOTE: COLD SOLDER JOINTS ARE CAUSE FOR REJECTION).

5. BOTH SIDES OF BOARD SHALL BE CLEAN AND FREE OF ANY DEBRIS OR RESIDUE

6. ALL DIMENSIONS ARE IN DECIMAL INCHES AND (MILLIMETERS):

7. SEE BOM FOR LIST OF PART NUMBERS.

8. COMPONENT "R3,R4" SHALL BE SPACED .10" [2.54] FROM THE PCB SURFACE.

9. COMPONENT "CR1" SHALL BE SPACED .25" [6.35] FROM THE PCB SURFACE.

10. APPLY A SMALL AMOUNT OF RTV ADHESIVE (P/N 49-0007) TO SECURE CAPACITORS C3,C4,C5,C7,C8,C9,C10,C11,C12 TO PREVENT VIBRATION NOISE; ALSO APPLY A SMALL BEAD ACROSS THE WINDINGS AND BASE OF L1,L2,L3,L4 TO PREVENT VIBRATION. NOTE: ENSURE THAT INDUCTORS L1,L2,L3,L4 ARE MOUNTED FLUSH AND PERPENDICULAR TO THE PCB SURFACE. (SEE DETAIL A).

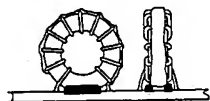
11. APPLY INSULATOR (P/N 48-036) ONTO COMPONENT SIDE AT "SH 1" LOCATION.

12. INSTALL JUMPERS FOR 117V (-1) & 2530V (-2) VOLTAGES PER "JUMPER TABLE".

13. CAPACITORS C3,C4,C5,C6,C13,C18,C21,C22 TO BE MOUNTED WITH AN EXPOSED LEAD LENGTH NOT TO EXCEED .1" (2.54mm) FROM THE PCB SURFACE. (SEE DETAIL "B").

14. INSTALL AND SHRINK A 1" LENGTH OF SHRINK TUBING (P/N 53-113) OVER "L4" AFTER ADHESIVE HAS CURED.

INDUCTOR CORE MUST BE FLUSH AND PERPENDICULAR TO THE PCB SURFACE.



10 DETAIL "A" (L1 thru L4)

(APPLY ADHESIVE AS SHOWN)

EXPOSED LEAD LENGTH

.1" [2.54]

13 DETAIL "B"

JUMPER TABLE

J4	J1
J4	J6
J4	J1
J4	J6

OPTION TABLE

-1	117V
-2	230V

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN DECIMAL
INCHES AND (MILLIMETERS)

TOLERANCES ARE:
DECIMALS ANGLES
.001 ± .005 ± 0.5°
MATERIAL SEE NOTES

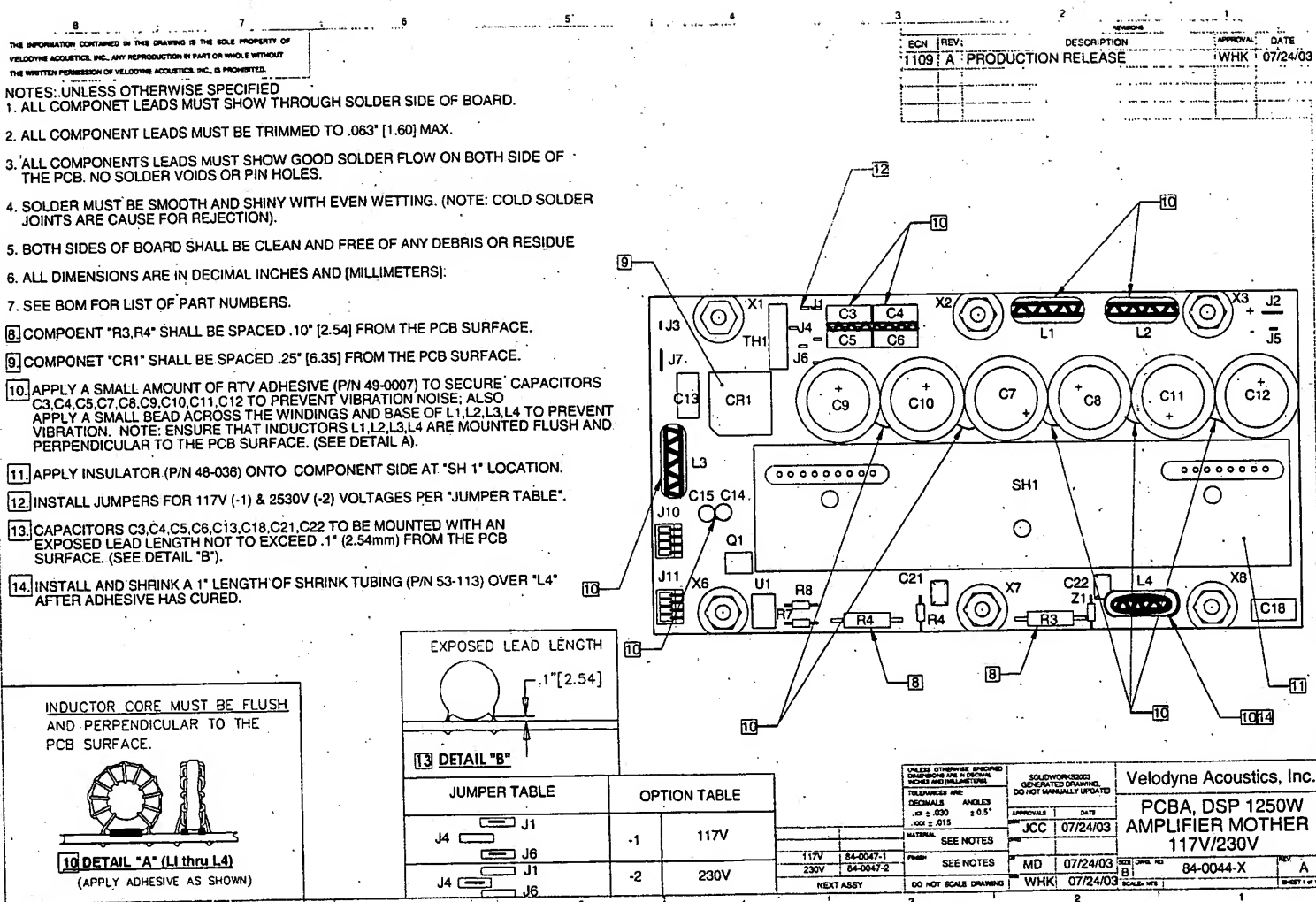
SOLIDWORKS3000
GENERATED DRAWING
DO NOT MANUALLY UPDATE

APPROVALS DATE
JCC 07/24/03
MD 07/24/03
WHK 07/24/03

Velodyne Acoustics, Inc.

PCBA, DSP 1250W
AMPLIFIER MOTHER
117V/230V

REV. NO. 84-0044-X
SCALE: N/A
SHEET 1 OF 1

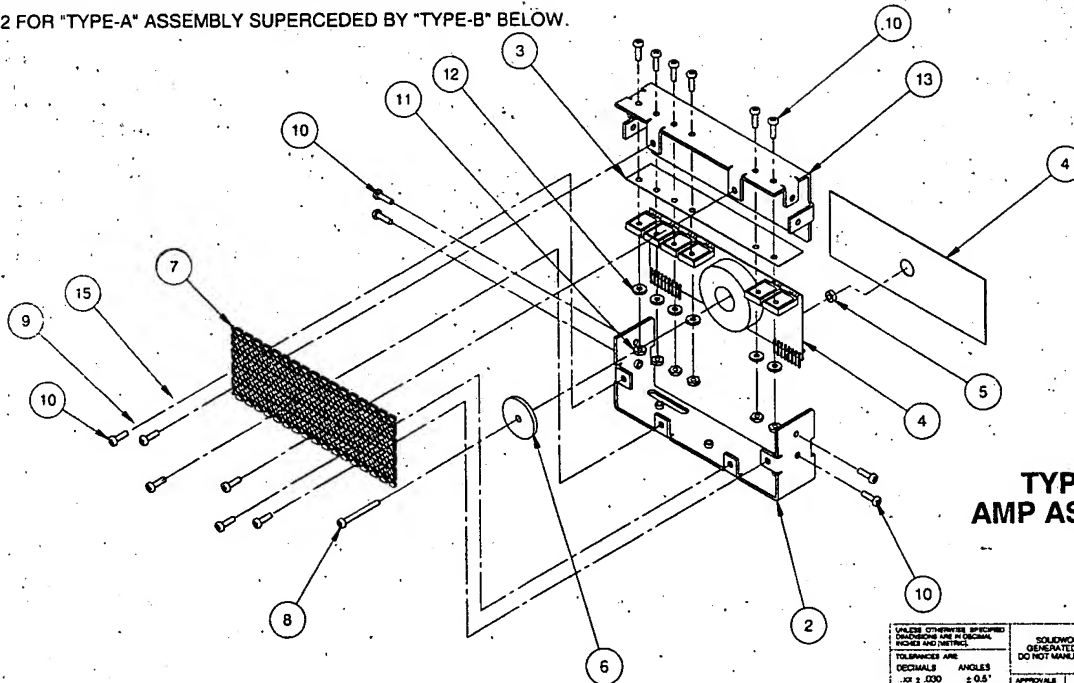


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NOTE: UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS ARE IN DECIMAL INCHES AND [MILLIMETERS].
2. APPLY THREAD LOCKING COMPOUND #242 (ITEM 0014) TO ALL SCREW
THREADS DURING INSTALLATION.
3. REFER TO SOP# 55 FOR ADDITIONAL ASSEMBLY INSTRUCTIONS.
4. SEE SHEET 2 FOR "TYPE-A" ASSEMBLY SUPERCEDED BY "TYPE-B" BELOW.

ECN	REV	DESCRIPTION	APPROVAL	DATE
	A	PRODUCTION RELEASE	WHK	01/14/00
882	B	DEL COVER SCREWS AND WASHERS	WHK	06/08/00
1052	C	AMEND NOTE 3 FOR RTV APPLICATION	WHK	07/29/02
1064	D	CHG HEAT SINK TO NEW DESIGN	WHK	02/03/03



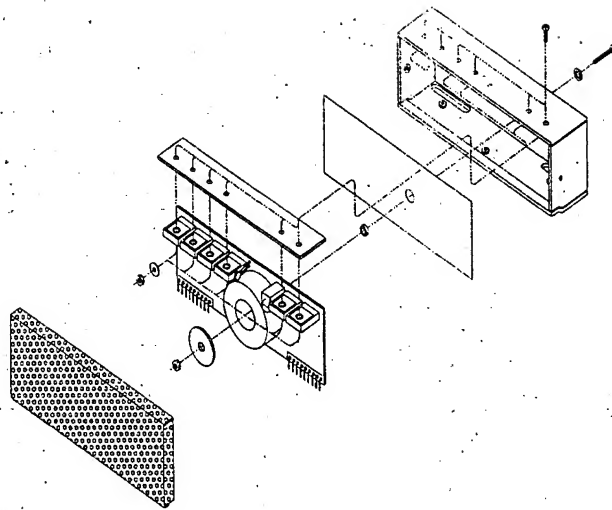
TYPE-B AMP ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN DECIMAL INCHES AND METRIC		SOLIDWORKS 3D GENERATED DRAWING DO NOT MANUALLY UPDATE		Velodyne Acoustics, Inc.	
TOLERANCES ARE	ANGLES	APPROVAL	DATE	ASSY, 1250W AMP MODULE W/HEATSINK (TYPE-A / TYPE-B)	
DECIMALS	± 0.1°	WHK	01/24/02	84-0033-1	
± 0.00	± 0.1°	MD	02/03/03	84-0033-1	
± 0.010		WHK	02/03/03	84-0033-1	
WATERPROOF	SEE NOTES	MD	02/03/03	84-0033-1	
FINISH	SEE NOTES	WHK	02/03/03	84-0033-1	
NEXT ASSY	DO NOT SCALE DRAWING	WHK	02/03/03	84-0033-1	
		SCALE	1:1	SHEET 1 OF 3	

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NOTE: UNLESS OTHERWISE SPECIFIED
1. SEE SHEET 1 FOR 'TYPE-B' ASSEMBLY.

2. REFER TO SOP# 55 FOR ASSEMBLY INSTRUCTIONS



**TYPE-A
AMP ASSEMBLY**

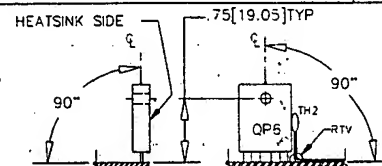
SOLIDWORKS2001+ GENERATED DRAWING. DO NOT MANUALLY UPDATE				SIZE	DWG NO	REV	SHEET 1 of 1
DO NOT SCALE DRAWING				B	84-0033-1	D	

Velodyne Acoustics, Inc.
ASSY, 1250W AMP
MODULE W/HEATSINK
(TYPE-A / TYPE-B)

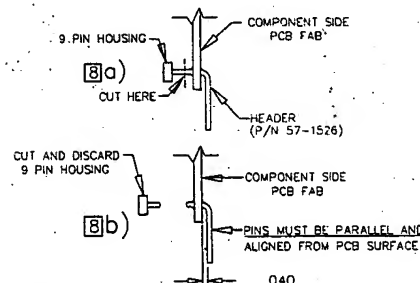
NOTES: UNLESS OTHERWISE SPECIFIED:

1. ALL COMPONENT LEADS MUST SHOW THROUGH SOLDER SIDE OF BOARD.
2. ALL COMPONENT LEADS MUST BE TRIMMED TO .063" (1.580) MAX.
3. ALL COMPONENT LEADS MUST SHOW GOOD SOLDER FLOW ON BOTH SIDE OF THE PCB NO SOLDER VOIDS ON PIN HOLES.
4. SOLDER MUST BE SMOOTH AND SHINY WITH EVEN WETTING. (NOTE: COLD SOLDER JOINTS ARE CAUSE FOR REJECTION)
5. BOTH SIDES OF BOARD SHALL BE CLEAN AND FREE OF DEBRIS.
6. DIMENSIONS ARE IN DECIMAL INCHES AND (METRIC).
7. SEE BILL OF MATERIALS FOR REFERENCE NUMBERS.
8. a) PUSH THE PLASTIC HOUSING TO THE END OF PINS, INSERT HEADER (P/N 57-1526) AT "J9" & "J10" FROM SOLDER SIDE AND SOLDER IN PLACE.
b) TOUCH-UP AND CUT THE SOLDER SIDE PINS PER NOTE 2.
9. COMPONENTS "QP2, QP3, QP4, QP6" MUST BE MOUNTED .75" (19.05) FROM THE CENTER OF THE FRY MOUNT SCREW HOLE TO THE PCB SURFACE. NOTE: THE "TH2" MUST BE MOUNTED PERPENDICULAR FROM THE PCB SURFACE (SEE VIEW "A").
10. CONNECT, SOLDER AND CLEAN SECONDARY LEAD FROM INSIDE-OVER-TOP AT "X4" LOCATION SHOWN. (NEAR SIDE IS TOP OF COIL)
11. INSTALL SOLDER AND CLEAN BUS JUMPER (P/N 53-018BUS) AT "R54" LOCATION.
12. INSTALL THE INDUCTOR/INSULATOR (P/N 48-044) AT "L1" LOCATION CENTERED ON THE MOUNT HOLE SCREW LOCATION PRIOR TO INSTALLING INDUCTOR "L1". AS-CLOSE-AS-POSSIBLE, ON THE COMPONENT SIDE.
13. CAPACITOR "C1" SHALL NOT BE MOUNTED OR EXTEND BEYOND THE HORIZONTAL MOUNT ALIGNMENT OF "QP2-QP4 & QP6".
14. THRU-HOLE COMPONENTS "C2, C3, C33 & C39" SHALL HAVE A MAX OF .078" (2.01) SPACING BETWEEN THE PCB SURFACE AND THE COMPONENT BOTTOM SURFACE. EXCEPT WHEN THE COMPONENT MATERIAL, ON THE LEADS, PROTRUDE INTO THE SOLDER PAD.
15. THE THERMISTOR "TH2" LEADS SHALL BE LONG ENOUGH, COVERED WITH 24AWG TEFLON (P/N 53-0001), TO LAY FLAT AGAINST "QP6" AND SECURED IN-PLACE WITH A SMALL AMOUNT OF RTV 108 (P/N 49-0007), OR APPROVED EQUIVALENT, AT THE BEND IN THE LEADS OF "TH2" (SEE VIEW "A").
16. GRIND FLUSH, TO THE PCB EDGE, THE 5 NODES FROM "PANELIZATION" FOR INSULATOR CLEARANCE AT NEXT HIGH-TEMP ASSEMBLY, IF APPLICABLE.
17. SECURE COMPONENTS "C5 & L3" TO "C8" WITH RTV (P/N 49-0007) OR APPROVED EQUIVALENT.
18. SECURE COMPONENTS "C1, C3, C4, C10, C12, C15, C17, C23, C33, C38, C39, D13, D25, L6 & R22" WITH RTV (P/N 49-0007) OR APPROVED EQUIVALENT, AS SHOWN.

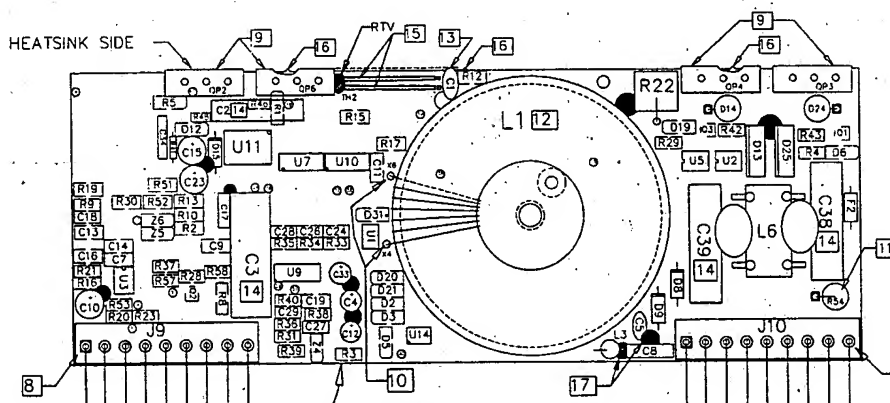
REV	REV	DESCRIPTION	DATE
A		PRODUCTION RELEASE	01/12/00
B	859	CHG "C18" & CHG QTY P/N 30-41485J	02/28/00
C	862	AMEND NOTE 8, ADD NOTES 13, 14 & 15, CHG "L1"	03/24/00
D	880	ADD NOTE 16, "TH2" RTV AND "L1" INSULATOR	06/08/00
E	944	CHG R1 & R5 TO: 10 OHM 1208	03/22/01
F	982	CHG C5, ADD NOTES 17 & 18	08/16/01
G	1001	CHG C11&C16, ADD C7	12/17/01
H	1036	CHG C5, L1 & R56, CHG NOTE 10, ADD NOTE 19	05/06/02
J	1038	ADD MOD CIRCUIT (REV B PCB FAB)	05/17/02
K	1050	CHG C17 To: 10-1100	07/19/02
L	1053	CHG C17 To: 18-470MV	08/01/02



VIEW "A" (915)
"QP2, QP3, QP4, QP6 & TH2" MOUNT ORIENTATION



HEADER INSTALLATION SIDE VIEW



90° TYP (18 PLACES) MUST BE SPACED EVENLY
AND PERPENDICULAR FROM THE PCB EDGE.

PCB PART NO	84-0037	REV	SEE BOM	DATE	08/01/02	PCBA, 600W AMP MODULE ASSY
HEAT ASSY	USED ON	N/A	MD	08/01/02	84-0035	REV L
APPLICATION	DO NOT SCALE DRAWING	WHK	08/01/02	SCALE: NTS		SHEET 1 OF 1

Velodyne Acoustics Inc.

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NOTE: Assembly notes listed below are for Revision "7" PCB fab.

1. ALL DIMENSIONS ARE IN DECIMAL INCHES AND (MILLIMETERS).
2. ALL COMPONENT LEADS MUST SHOW THROUGH SOLDER SIDE OF BOARD.
3. ALL COMPONENT LEADS MUST BE TRIMMED TO .063" (1.6mm) MAX.
4. ALL COMPONENTS LEADS MUST SHOW GOOD SOLDER FLOW ON BOTH SIDE OF THE PCB. NO SOLDER VOIDS OR PIN HOLES. FILL ALL VIAS TO PREVENT MOUNTED PCBA FROM AIR LEAKS.
5. SOLDER MUST BE SMOOTH AND SHINY WITH EVEN WETTING. (NOTE: COLD SOLDER JOINTS ARE CAUSE FOR REJECTION).
6. BOTH SIDES OF BOARD SHALL BE CLEAN AND FREE OF DEBRIS.
7. SEE BILL OF MATERIALS FOR REFERENCE PARTS NUMBERS.

8. SECOND-OP COMPONENTS: MASK MOUNT HOLES "J4(X2), J5, J8, J12, J13, J22, J23" AND COMPONENT HOLES "J1, J2, J10, J14, J17, J18, J26, J27, JK1" PRIOR TO WAVE SOLDER.

9. SOLDER SIDE COMPONENTS: MOUNT "J17, J18 & JK1" SPACED .544" (13.8mm) FROM THE PCB SURFACE, USING A VELODYNE APPROVED MOUNT FIXTURE; MOUNT COMPONENTS "J10, J14, J26 & J27" FLUSH TO PCB SURFACE.

10. APPLY EPOXY (P/N 49-0017) AT THE BASE OF "J1, J2 & J26" TO SECURE IN PLACE.

11. INSTALL SHIELD (P/N 48-068) ON COMPONENT SIDE, AFTER INSPECTION, AT "J4" USING RIVIT (P/N 44-028125) AND EXTERNAL TOOTH WASHER (P/N 43-040S) TWO PLACES. NOTE: NON-CONDUCTIVE SURFACE TOWARD PCB. ALUMINUM CONDUCTIVE SURFACE SHALL NOT TOUCH TRACES OR COMPONENTS.

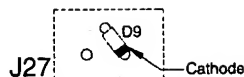
12. INSTALL SHUNT (P/N 57-527) AT "MC" LOCATION SHOWN.

13. INSTALL PROTECTIVE FOAM OVER PINS AT "J1 & J2" TO PROTECT FROM DAMAGE DURING SHIPPING.

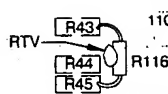
14. APPLY A SMALL BEAD OF RTV (P/N 49-0007) TO SECURE COMPONENTS "C11, C13 & R116" FROM VIBRATION.

15. INSTALL/SOLDER/CLEAN DIODE "D9" (P/N 30-5231SM) IN PLACE AS SHOWN IN DETAIL "A".

16. INSTALL/SOLDER/CLEAN AXIAL RESISTOR "R116" (P/N 01-230) IN PLACE AS SHOWN IN DETAIL "B".

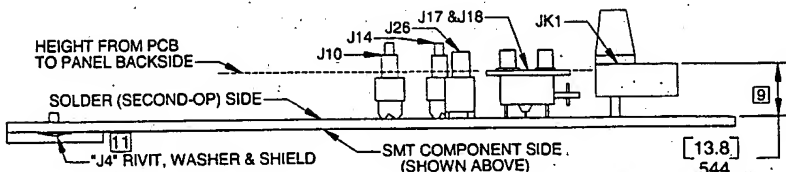
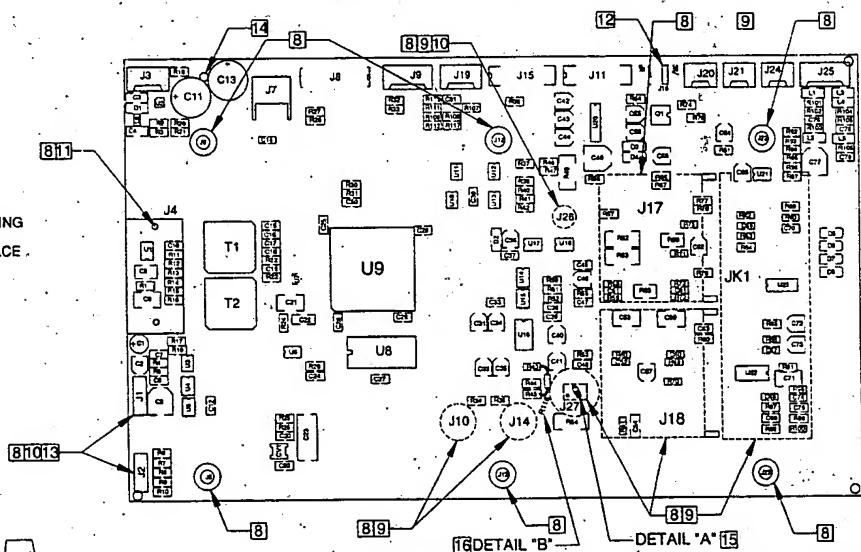


DETAIL "A" 15



DETAIL "B" 1416

Reference: PCB FAB Rev 7



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND DECIMALS	SOLIDWORKS 2003 GENERATED DRAWING DO NOT MANUALLY UPDATE
TOLERANCES ARE:	APPROVALS DATE
DECIMALS ANGLES	JCC 06/18/03
.XX ± .005 ± 0.5°	WHK 06/23/03
MATERIALS SEE NOTES	MD 06/23/03
FINISH SEE NOTES	WHK 06/23/03
NEXT ASSY DO NOT SCALE DRAWING	84-0045-1 B

Velodyne Acoustics, Inc.

PCBA, DSP
CONTROLLER

NOTE: Assembly notes listed below are for Revision "A" PCB fab.

Diagram illustrating the Solder (Second-Op) Side of the PCB. The diagram shows the placement of components J10, J14, J26, J17 & J18, and JK1. The height from the PCB to the panel backside is indicated. The solder side is shown with dimensions 11, 6, 5, 1, and 4. The SMT component side is shown above the solder side. A note indicates: "J4* RIVET, WASH & SHIELD".

PCBA, DSP CONTROLLER

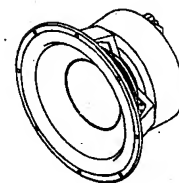
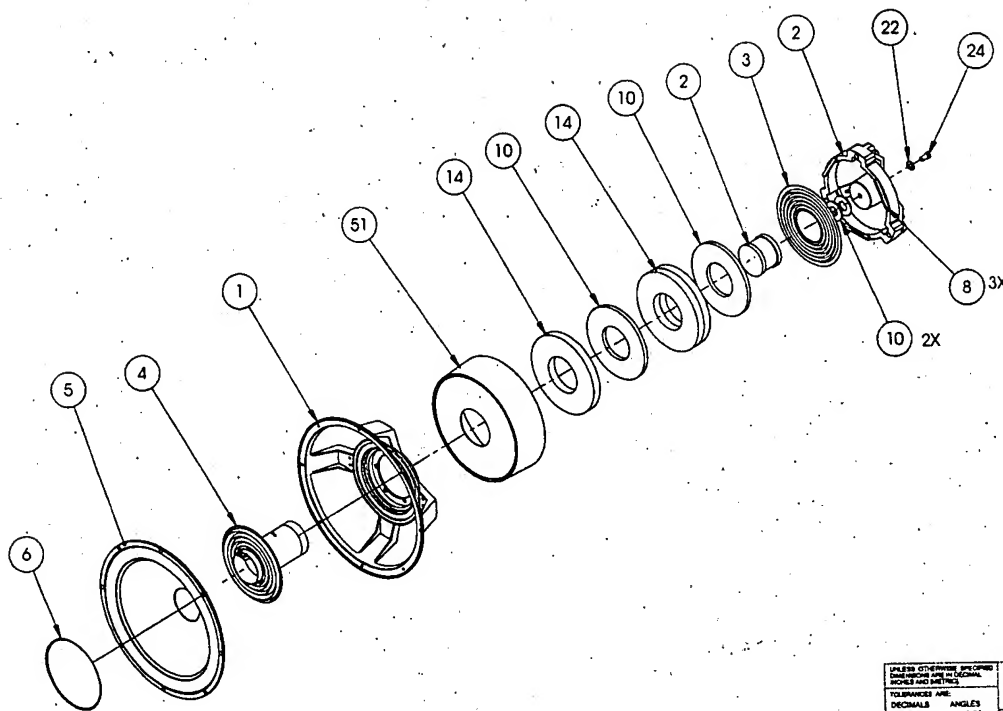
SOLIDWORKS2001+ GENERATED DRAWING. DO NOT MANUALLY UPDATE		SIZE	DATE	NO	84-0045-1	REV	B
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NOTES: UNLESS OTHERWISE SPECIFIED

1. SEE STANDARD OPERATING PROCEDURES #0061 FOR DETAILED
INFORMATION ON ASSEMBLY PROCESS.

ECN	REV.	DESCRIPTION	APPROVAL	DATE
	A	PRODUCTION RELEASE		



ISOMETRIC VIEW

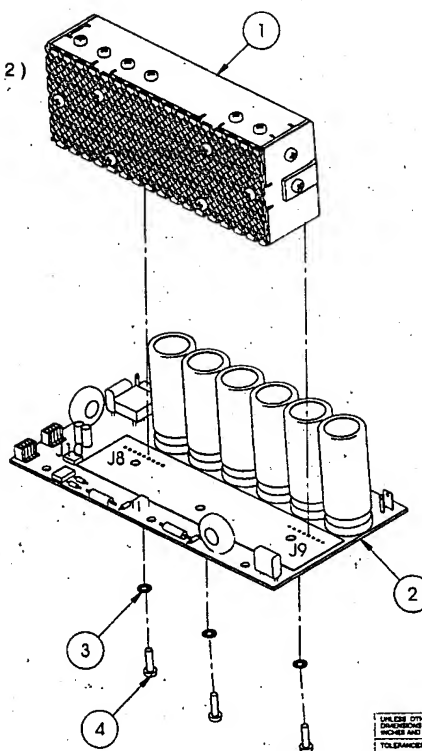
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN DECIMAL INCHES AND METRIC		SOLIDWORKS/2003 GENERATED DRAWING DO NOT MANUALLY UPDATE		Velodyne Acoustics, Inc.	
TOLERANCES AND DECIMALS	ANGLES	APPROVALS	DATE	ASSY, DD-15 SERIES DRIVER	
.XX ± .000 .XXX ± .010	1.0.5°	DATE			
SEE NOTES	SEE NOTES	DATE		REV	A
DO NOT SCALE DRAWING	DO NOT SCALE DRAWING	DATE		SCALE	1:1
NEXT ASSY					

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ECN/REV	DESCRIPTION	APPROVAL	DATE
E1	ENGINEERING RELEASE	WHK	04/16/03

NOTES: UNLESS OTHERWISE SPECIFIED

1. VERIFY VISUALLY THAT THE HEATSHINK COVER (ITEM 1) PINS, TO BE SOLDERED, ARE STRAIGHT PRIOR TO INSERTION ONTO PCBA (ITEM 2).
2. AFTER SECURING HEATSHINK COVER MOD (ITEMS 1) TO PCAB (ITEM 2) APPLY ADEQUATE HEAT TO PINS PRIOR TO SOLDER APPLICATION; THEN CLEAN ALL SOLDERED CONNECTIONS.
3. REF TO SOP 55 FOR ASSEMBLY INSTRUCTION.



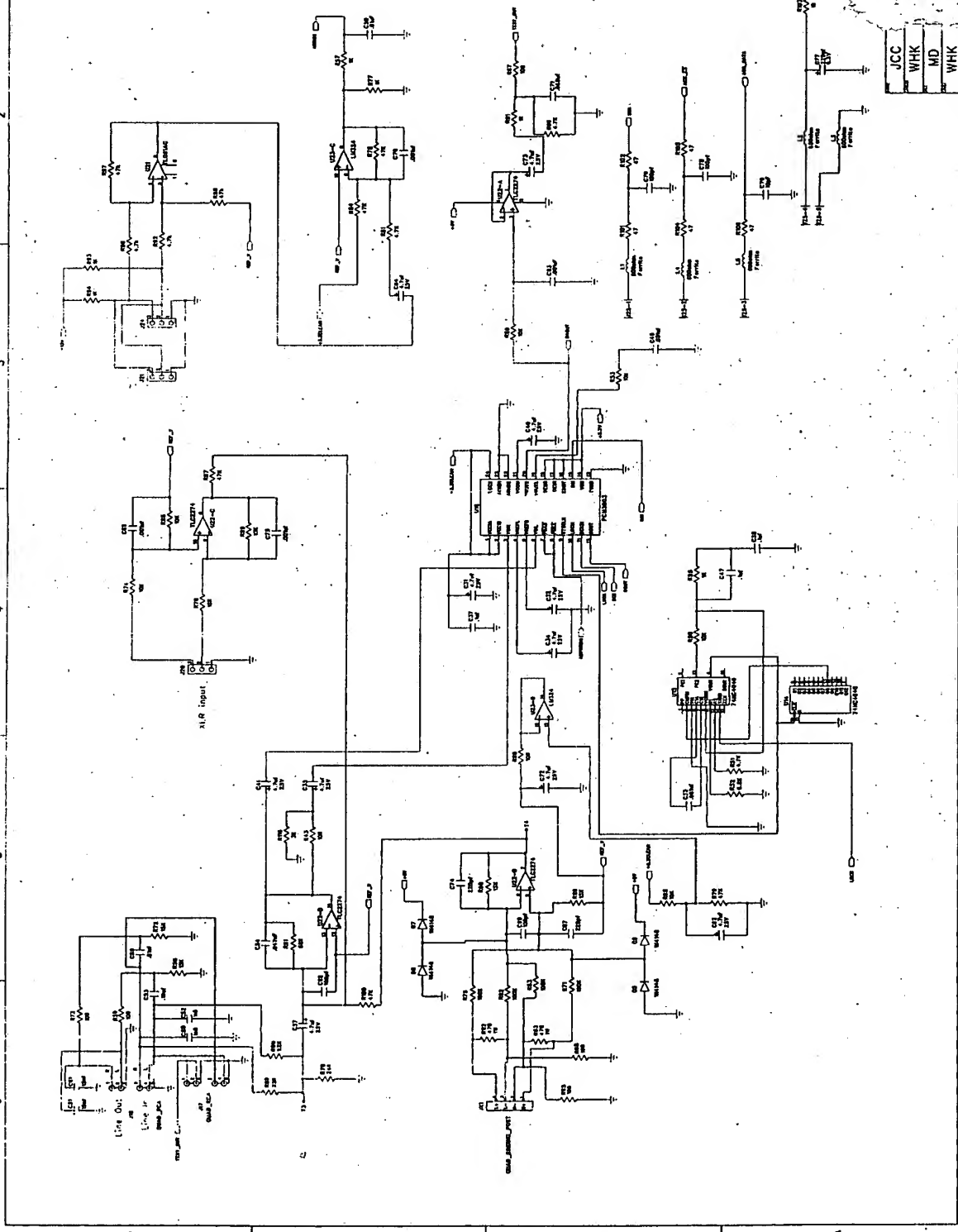
OPTION TABLE	
-1	117V
-2	230V

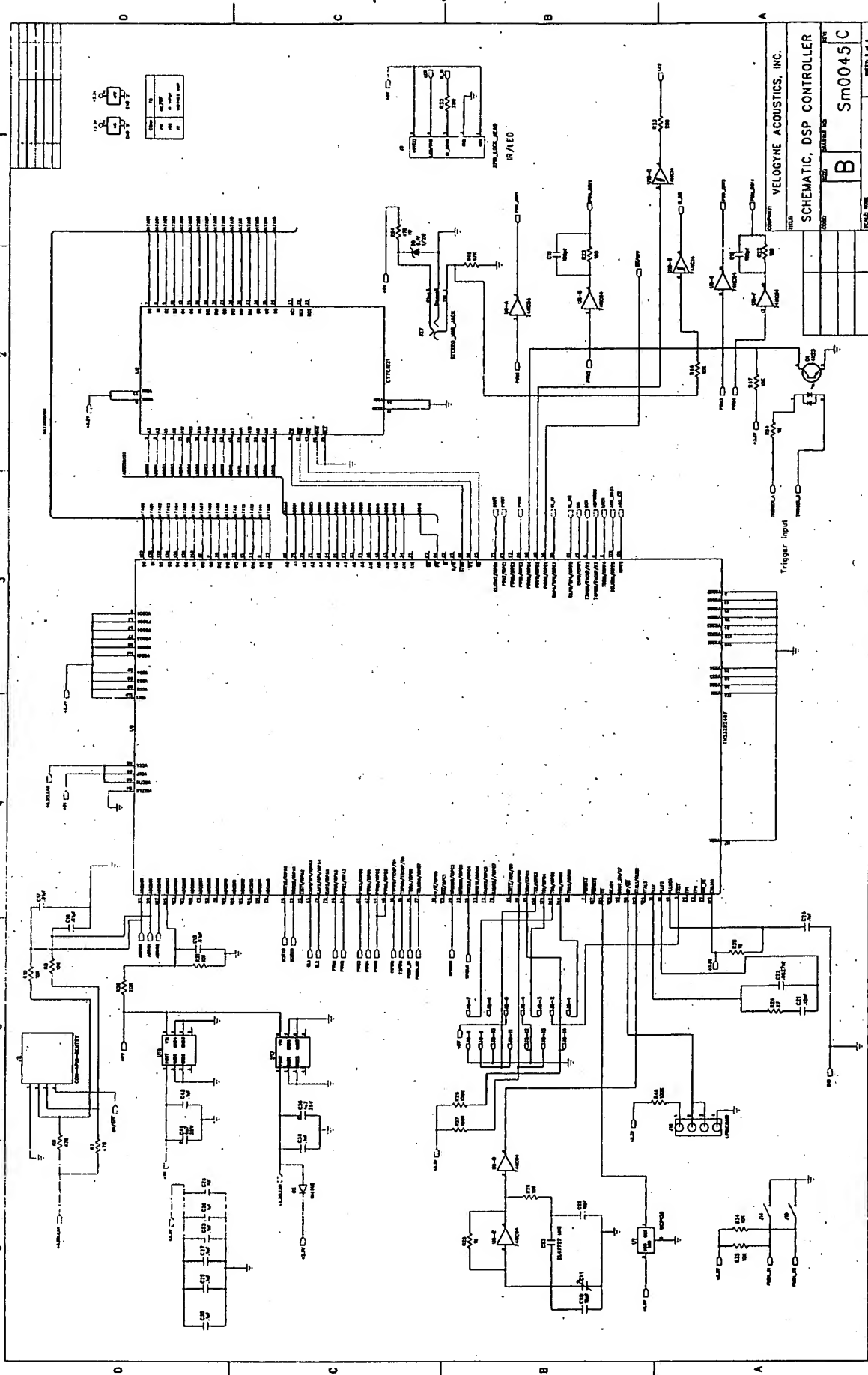
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN DECIMAL INCHES AND METRIC		SOLIDWORKS/2000 GENERATED DRAWING DO NOT MANUALLY UPDATE		Velodyne Acoustics, Inc.	
TOLERANCES ARE:	ANGLES	APPROVAL	DATE	PCBA, 1250W DSP AMPLIFIER 117/230V	
.001 ± .000	± 0.5°	ES	04/16/03		
.002 ± .010		WHK	04/16/03	84-0047-X	
NATIONAL	SEE NOTES			REV (DATE NO)	REV
PROJ	SEE NOTES			B	E1
NEXT ASSY	DO NOT SCALE DRAWING	WHK	04/16/03	SCALE: 1:1	SHEET 1

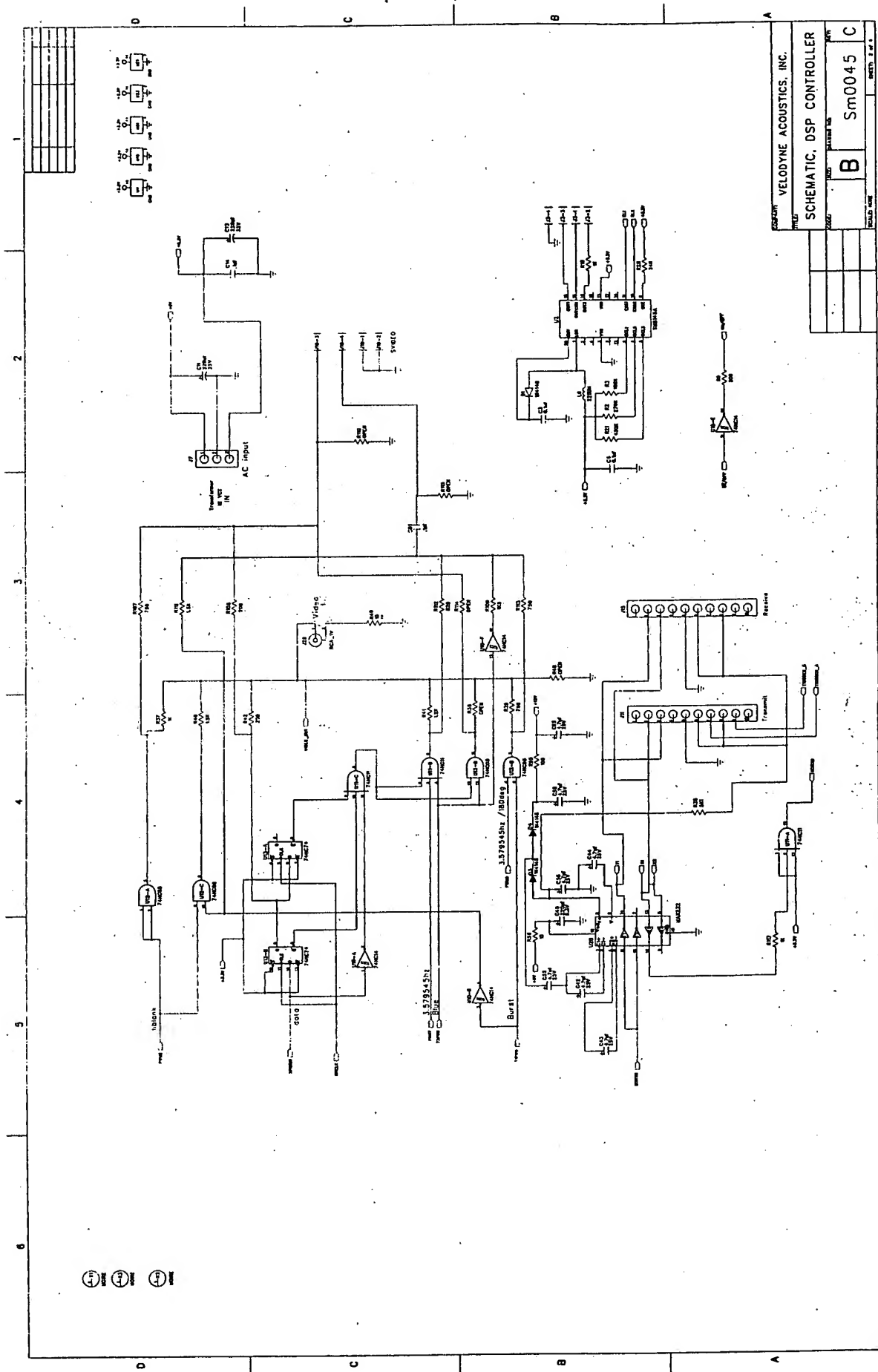
REV	DESCRIPTION	DATE	BY
1	INITIAL	1/7/81	WJK
2	REVISION	1/7/81	WJK
3	REVISION	1/7/81	WJK
4	REVISION	1/7/81	WJK
5	REVISION	1/7/81	WJK
6	REVISION	1/7/81	WJK
7	REVISION	1/7/81	WJK
8	REVISION	1/7/81	WJK
9	REVISION	1/7/81	WJK
10	REVISION	1/7/81	WJK

REV	DESCRIPTION	DATE	BY
1	INITIAL	1/7/81	WJK
2	REVISION	1/7/81	WJK
3	REVISION	1/7/81	WJK
4	REVISION	1/7/81	WJK
5	REVISION	1/7/81	WJK
6	REVISION	1/7/81	WJK
7	REVISION	1/7/81	WJK
8	REVISION	1/7/81	WJK
9	REVISION	1/7/81	WJK
10	REVISION	1/7/81	WJK

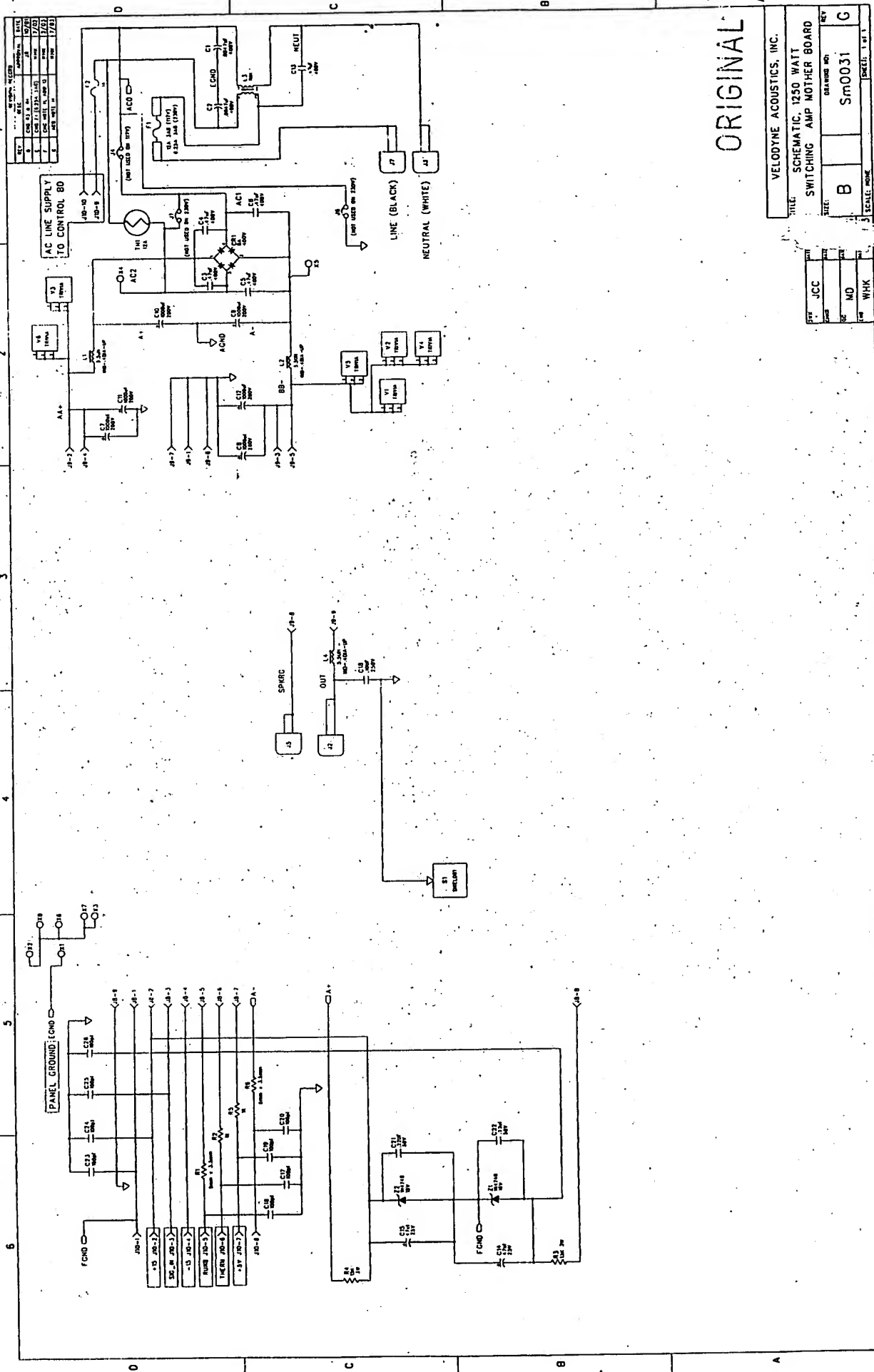
VELOCITY ACoustics, INC.	
SCHEMATIC, DSP CONTROLLER	
B	Sm0045 C
JCC	WJK
MD	WJK
WJK	WJK







VELOCITY ACoustics, INC.	
FILED	DATE
SCHEMATIC, DSP CONTROLLER	
REV	DATE
B	Sm0045
SHEET 1 OF 1	



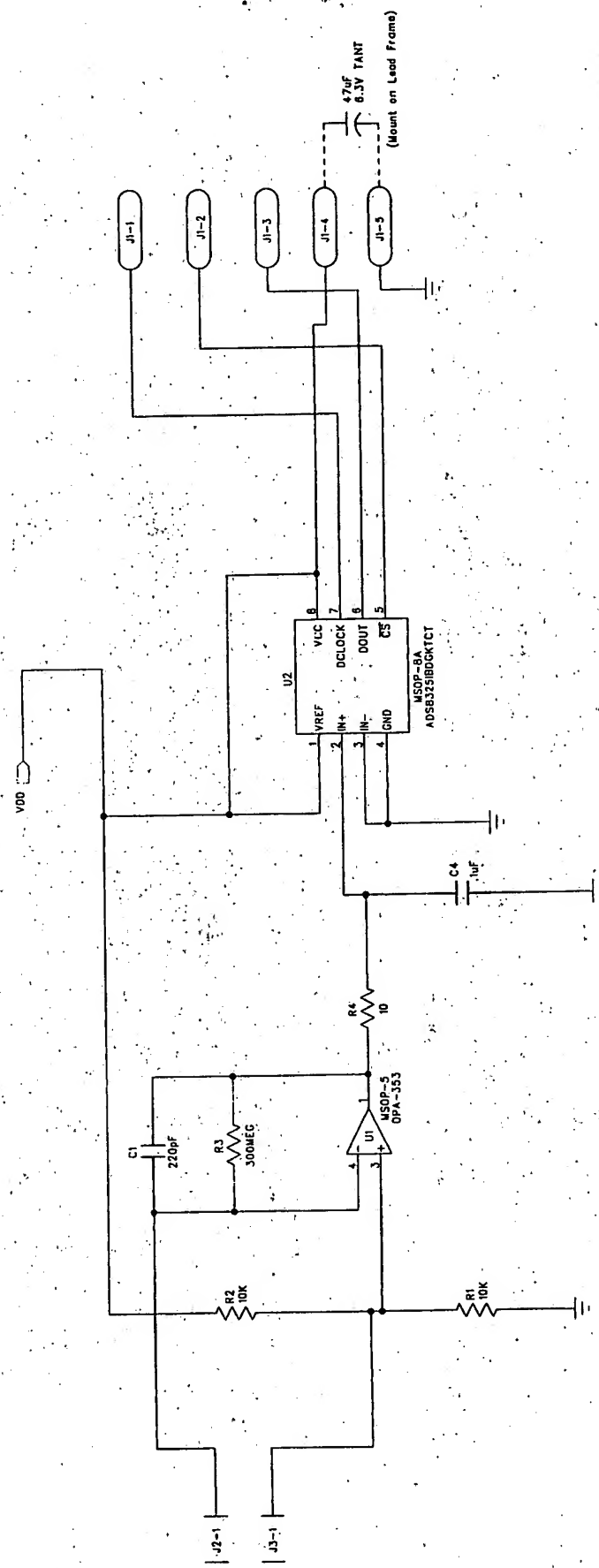
ORIGINAL

VELODYNE ACoustics, INC.	
TITLE	SCHEMATIC, 1250 WATT SWITCHING AMP MOTHER BOARD
DATE	B
DESIGNED BY	Sm0031
REV	G
SCALE	None

REV	JCC
DATE	1/1/73
BY	MD
CHK	WHK

1 2 3 4 5 6

REVISION RECORD			
REV	DESCRIPTION	APPROVED	DATE
A	PRODUCTION RELEASE	WHK	07/03



ORIGINAL

COMPANY: VELOCITY ACOUSTICS, INC.

TITLE: SCHEMATIC, DIGITAL ACCELEROMETER

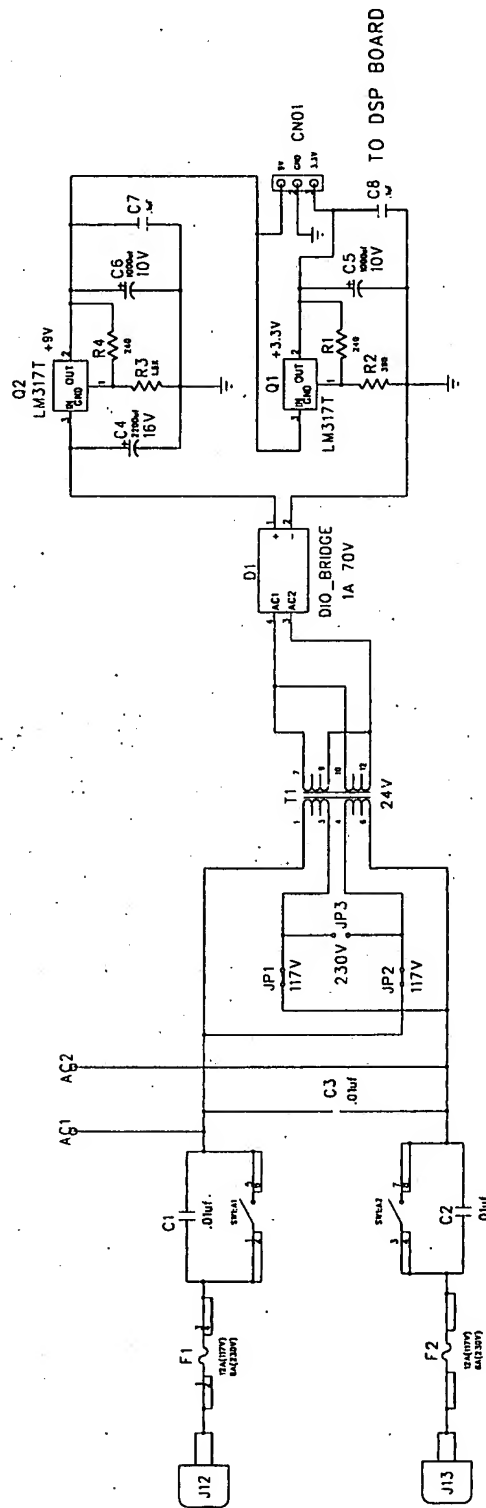
OWN	JCC	DATE	
CHKD		DATE	
QA		DATE	
ENG	WHK	DATE	

REV:	
SIZE:	B
DRAWING NO:	Sm0051
REV:	A

SCALE= NONE

SHEET: 1 of 1

REV	DESCRIPTION	APPROVED	DATE
A	PRODUCTION RELEASE	WHK	8/17/93
B	ADD NOTE 14	WHK	7/21/98



JUMPER TABLE

	JP1	JP2	JP3
117V	X	X	X
230V			

ORIGINAL

COMPANY: VELOCITY ACOUSTICS, INC.	
TITLE: SCHEMATIC, DSP AC POWER BD	
DATE: 8/17/93	DESIGNED BY: WHK
SIZE: B	SM-0046
REV: B	Page 1 of 1